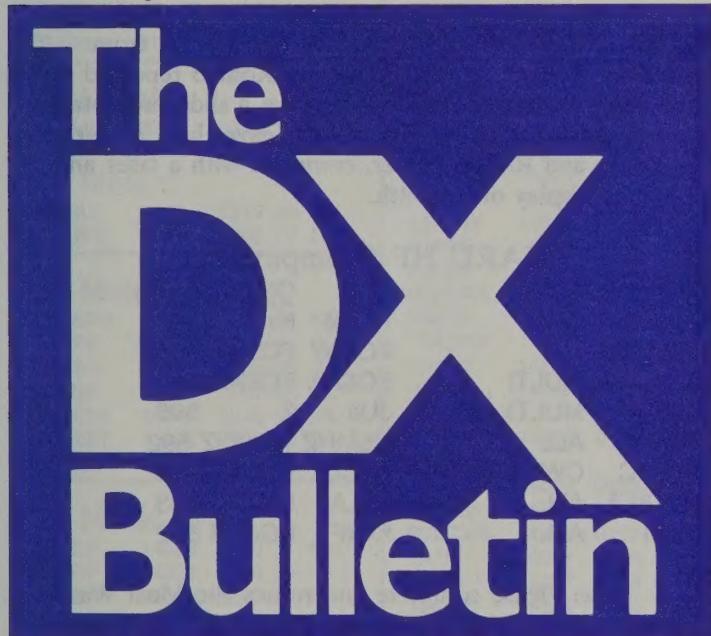


St. Brandon - 3B7 Jacky Mandary 3B8CF has been reported as 3B7CF; length of stay not known, but probably most of July. He favors 14028 kHz at 0300Z, and 12-1500Z. He also checks into the nets on 21335 and 14256 kHz. On CW, he listens up 2-5 kHz, and on SSB goes alphabetically by the last letter in the call. QSL direct only, with SAE and US\$1: 6 Shastri Road, Candos, Q. Borne, Mauritius, Indian Ocean. Sunrise 0235Z; sunset 1405Z. (3B7 counts as the same DXCC country as Agalega Island 3B6, #11 on last year's Most Wanted Countries survey.)

St. Pierre & Miquelon - FP Arthur Anderson NT1M (CW) and Scott Sminkey WO1G (SSB) will operate FP/ August 1-7, on 20-10 meters, including 17 and 12 meters. 40 meters is a possibility. QSL to Roger Tobin N1EYZ.

Edited by Chod Harris VP2ML



Brunei - V85 Bob Schenck N2OO and his new wife Beth KF2BQ will operate as V85OM and V85XYL August 5-12, on the first stop of a multi-country honeymoon/DXpedition. Usual DX frequencies: 25 kHz up on 20-10-meter CW, and 14195, 21295, and 28495 kHz. 40- and 80-meter frequencies depend on local QRM. DXers needing a YL QSO for YLDXCC may ask Bob for same; he'll put Beth on. QSL N2OO, box 345, Tuckerton NJ 08087. 'Contributions are always welcome.'

East Malaysia - 9M6/8 Bob and Beth will be active as 9M6OO and 9M6BQ Aug. 12-20; same info as above. They'll also operate as 9M8OO and 9M8BQ sometime during their Brunei stay.

Hong Kong - VS6 They wrap up their trip as N2OO/VS6 and KF2BQ/VS6 Aug. 24-30. Same info as above.

Shortly Noted

- **TL8FD** continues to be very active on CW. Pat returns to France on August 15; work him now.
- **HB0/I6SRP** will operate July 11-14, on all bands and modes. QSL home call. ([LNDX](#).)
- **OH2BH/EA8**: Martti Laine will be active from the Canary Islands July 17-25. He hopes to get his own EA8 callsign during his stay. QSL home call. ([DXNS](#).)
- **HC1MD** Rick Dorsch NE8Z will operate from various spots in Ecuador during the month of August. Try 5 or 26 kHz up on CW, 160-10 meters. QSL home call. (See IOTA for more information.)
- **VP8CGK** is John's new call from Bird Island in the South Georgia group (AN-007). QSL to VK4MZ.
- **3D2AG** is currently active on CW from Rotuma, to July 21, using his regular Fiji callsign. Try the usual DX frequencies; QSL home call.
- **5V/F2JD**: Gérard will be in Togo on July 15, and stay until the end of the year. He'll be active on HF, RTTY, and satellite. ([LNDX](#).)
- **YU2WV/5N0** is now active, for about three months. QSL to Vladimir Pavlica, Rastocine Road S-6, 51000 Rigea, Yugoslavia. ([DXNS](#).)
- **RJ1S/UI9GW** is the call of an Oblast 041 operation by UA0FHB, July 22-29. All bands, 160-10 meters.
- The **DXCC Backlog** is down to only 966 pending endorsements, as of June 30. They have completed the March Honor Roll submissions, and hope to be current with endorsements by September.
- **SSB Net check-ins:** 7159 kHz: V31AD PJ6WG NL7J/VY1; 14165: FT4YD (Antarctica); 14222: VK0KC (Antarctica); 14227: BV2FB 7Q7RM; 14256: ST2YD; 21335: HL9TK V51MA.
- **RTTY report:** Regulars: 4U1UN 14090 kHz weekends; J73WA 14085± 0030Z weekends; VP5JM 14091 0220Z. Active stations: TU2BB 14076 ARQ 0420Z; P29RB 14090 1130Z; HS0AC 14086 1140Z; V63SY 14088 1145Z; UI9ABV 21082 1630Z; V85GA 14080 2045Z; VP8BFH 14068 ARQ 1250Z; CN8NS 14086 2030Z; YN1CB 14083 0210Z; ZD8VJ 21094 1930Z; 9X5LJ 14071 ARQ 2355Z.
- **Islands On The Air:** EJ5ID is the call of a Blasket Island (EU-007) DXpedition July 20-27. Try 1985, 3785, 7085, 14285, 21385, and 28585 kHz. QSL via EI3BA, direct only. HC1MC/HD4 Rick Dorsch will try to activate Esmeraldas Island (SA-???) around August 17. Try the IOTA frequencies of 14260, 21260, and 28460 kHz, and 14005, 21005, and 28005 kHz. Check-ins in the Indonesian IOTA gathering on 21260 kHz at 1800Z weekends: YC9RN Timor Island (OC-148); YB0XBW Java Island (OC-021). Some spots: CU8AH (EU-089) 14165 kHz at 0310Z; 4K3/UA3YCA (EU-085) 14009 1341Z; 4K4/UA0KBZ (AS-065) 21292 2325Z; GW0ONY (EU-124) 21255 0007Z; VK4CCC (OC-138) 14333 0715Z.

Propagation

Forecast and Historical Data

Day	Forecast	27 Days Before	55 Days Before						
July 1991	Date	Flux A	K	Date	Flux A	K			
12	High Normal	06/15	197	13/15	2	05/18	168	05/06	2
13	High Normal	06/16	185	04/08	2	05/19	164	04/07	3
14	Disturbed	06/17	177	37/45	6	05/20	148	04/06	0
15	Below Normal	06/18	173	19/28	3	05/21	148	08/09	3
16	Below Normal	06/19	175	21/28	3	05/22	147	18/17	3
17	High Normal	06/20	166	12/14	3	05/23	152	23/23	3
18	Low Normal	06/21	170	21/23	3	05/24	159	21/29	3
19	Low Normal	06/22	170	18/21	3	05/25	173	28/41	3
20	Disturbed	06/23	161	26/37	4	05/26	184	18/23	3
21	Disturbed	06/24	168	24/35	4	05/27	194	18/27	3
22	Low Normal	06/25	173	15/23	3	05/28	210	25/30	4
23	Low Normal	06/26	185	21/26	3	05/29	216	22/27	3
24	High Normal	06/27	200	10/14	2	05/30	231	15/19	3
25	High Normal	06/28	211	12/13	2	05/31	219	29/45	4

Propagation Watch

The bands have been up and down over the past week. At times, conditions have been very good for this time of year, with good signal strengths, and prolonged openings. On July 6th, for example, 15 meters was open to many parts of the world at the same time, the long path to the west in the early morning was very productive, and there was considerable DX on north-south paths on 10 meters.

However, a major flare early the next day produced a flood of protons that caused a complete short-wave blackout in the higher latitudes: a polar cap absorption (PCA) event. The flare also disrupted the geomagnetic field, which had been exceptionally quiet the previous day (K indices of 1-2). The loss of all high-latitude paths, coupled with the reduced signal strengths and increased noise levels due to the active geomagnetic field (K indices of 4-5) practically eliminated DXing.

Look for more of this good-bad band conditions in the near future. Although Sunspot Region 6703 (nee 6659, the Region that produced all the X-class flares in early June) decayed significantly, there are several other active, growing Regions on the sun. Region 6716 is showing signs of a delta magnetic configuration, the formation that produces the strongest flares. That Region will be on the western side of the sun this week, so any flares will seriously disrupt the geomagnetic field. Regions 6718 and 6711 also hold potential for band-disrupting flares.

Overall, we should see a gradual decline in solar activity over the next week, followed by an increase toward the end of July. When the bands are good, they will be very good, thanks to the high level of solar activity. When solar flares disrupt the bands, however, we'll see more of the very poor conditions we have seen during the past six weeks.

Remember that the WWV and WWVH solar numbers are the previous day's values, except for the K index, which is up-dated every three hours. These solar indices, now updated at 2118Z, say more about band conditions yesterday than about conditions now. The K index gives a more up-to-date indication of current conditions. Note that the signal strength of WWV, and especially of WWVH, may tell you as much about current band conditions as the solar indices. Finally, use the Regulars listing on the back page for 'beacon' stations to show current band conditions.

Burma Fund Drive

Ed Kritsky NT2X is spear-heading the fund-raising effort for Romeo Stepanenko 3W3RR's Burma XZ operation, which is now scheduled for August-September. The \$45,000 cost of the trip must be raised up front. Without the support of the DX community, this operation will not take place. As an added incentive to contributors, the DXpedition team will provide a souvenir medal to every sponsors who donates more than US\$25. The medal will be individually engraved with the contributor's callsign. Donations may be sent to Ed at Box 715, Brooklyn NY 11230. Ed also reports that the YA0RR QSL cards are beginning to come out, mailed from the USSR.

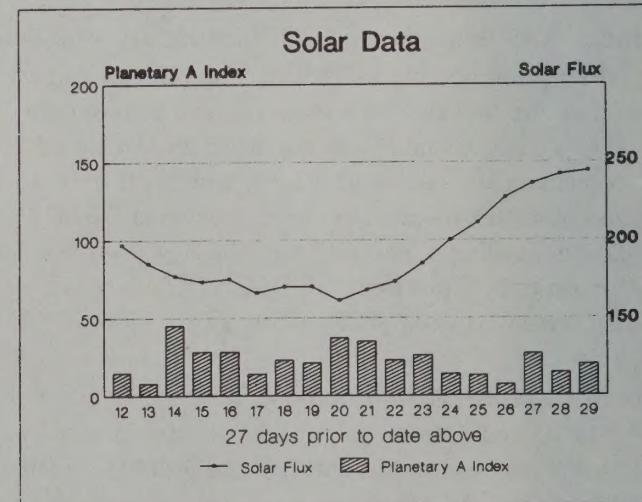
Romeo In the US

Romeo Stepanenko 3W3RR is currently traveling around the US, meeting with various radio clubs. He was the guest of Vince Thompson K5VT in Arizona July 10, Southern California DX Club July 11, and the Northern California DX Club July 12. On July 3rd, the North Alabama DX Club in Huntsville, Alabama, treated Romeo, his wife Alyona, and business partner Yuri Brajenko to a banquet. There were 106 people in attendance, from Kentucky, Tennessee, and Alabama. Romeo reported on his up-coming Burma operation, and gave a slide presentation of his YA0RR operation. Their hosts gave them a tour of the Space and Rocket center, complete with a laser and fireworks display on July 4th.

IARU HF Championship

Call	Class	Ops	QSL	Issue
C6AFQ	CW	K1TN	K1TN	592
FO514IW	?	FO5IW	FO5IW	595
FO814AA	MULTI	FO8AA	FO8AA	595
JU1DX	MULTI	JUs	?	595
P40Z	ALL	N5MHZ	N5MHZ	592
SO3CC	CW	K1CC	K1CC	595
YS/K8LA	ALL	K8LA	K8LA	593
ZF2JI	ALL	K4IIF	KG6AR	592

Note: Please complete and return the Most Wanted Countries survey that was included with last week's Issue. Your response is important. Thanks.



B • A • N • D • P • A • S • S

Key to Bandpass: Callsign, frequency, UTC, day of the month, state. * = long path. P = packet.
All "portable" calls listed with country of operation first, regardless of format used on the air.

S	M	T	W	T	F	S
23	24	25	26	27	28	29
30	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27

RTTY

4U1UN	14088	0120	21	AL
4U1UN	14092	2101	30	FL
5B4TX P	21103	1308	30	NH
CU2EN	14090	0101	5	PA
EA6PZ	21088	1725	30	FL
EA6PZ	14089	2252	4	PA
EA9MY	14087	1923	30	FL
FO5EM	14086	1235	2	MN
HI8BG	14087	1038	3	FL
J73WA	14080	0030	30	PA
JY9SR	18085	0032	28	AL
KG4DD	14089	0434	30	PA
TR8CA P	21099	1310	30	NH
TU2YK	21088	1700	30	FL
VP5JM	14093	0216	3	OH
VP5JM	21083	2121	29	PA

160 Meters

TU2MA	1833	0208	26	WV
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75 Meters

4U1UN	3771	0352	22	MI
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40 Meters

HS0AC	7005	1213	30	AL
VS6WV	7007	1200	25	CA

30 Meters

4K1AFM	10102	1051	6	FL
CT2FX	10104	0208	1	AL
FO5DV	10105	0530	28	CA
P29BF	10108	1140	26	AL
VP2EST	10105	0218	30	VA
VP2EST	10106	0939	30	PA
ZF2AH	10101	0345	3	PA

20 Meter CW

3B8CF	14028	0250	3	OH
3B8CF *	14028	1226	24	MI
3B8DA *	14012	1222	3	FL
3B8FG	14020	0313	4	FL
3B8FG	14020	1132	24	MI
3B8FQ *	14007	1215	4	FL
3B9FR *	14032	0110	30	CA
3B9FR *	14030	1115	4	MI
3D2AG	14017	1050	5	PA
3DA0BK	14018	1250	30	NH
4K1A	14004	1151	4	FL
4K1ADQ	14010	1421	29	CO
4K1AFM	14012	1255	30	CO
4K1B	14006	0509	27	OH
4K2OIL	14003	0514	27	BC
4K2PGO	14016	0015	25	OR
4K2PGO	14018	1200	27	AL
4S7CF	14007	0110	30	CA
4S7EA *	14011	1205	26	MI
4S7EF	14029	1221	24	CO
4S7NE	14006	0055	26	NY
4S7NE *	14005	1240	26	MT
4S7RO *	14015	1127	4	MI
4S7WN *	14026	1159	5	FL
4S7WP	14030	2237	2	MN
4S7WP *	14005	1210	30	MI
7Q7LA *	14005	1144	28	MI
7X2CR	14006	0058	2	GA

9M2AX 14025 1425 28 MT
9M2AX * 14026 1123 29 NY

9M2FK * 14018 1108 29 NY

9M2TE 14029 0100 30 CA

9M2ZA 14037 1025 28 MA

9V1JY * 14028 1041 3 FL

9V1YC 14020 1047 30 WV

9V1YR 14004 1433 28 MT

BV2BI 14022 1510 29 CA

BV2FB 14027 1500 28 MT

BV2QB 14026 0220 30 CA

BV2TA * 14017 1039 3 FL

BY9GA 14028 1445 29 CA

BZ4SAA 14021 1306 24 CO

EA8BWP 14007 1827 29 WI

ES6DO 14003 0057 30 FL

FK8FS 14038 0600 25 IA

FK8FS 14009 1116 28 MA

FR5BT * 14005 1242 26 MT

FR5DD * 14016 1235 1 MN

FT4WC 14021 1119 26 AL

GX0IPX 14032 0211 28 GA

HIBA 14017 0110 1 GA

HK0PPY 14024 1207 28 IL

HS0AC * 14020 1041 3 FL

JD1AMA 14017 1223 22 AL

JT1CS 14037 1422 26 NY

JW8PF 14027 1449 28 OR

JY9SR 14029 0236 3 OH

KG4DD 14027 0234 3 OH

KG4DD 14031 1100 28 MA

P29DK 14013 1304 25 NY

PZ1DY 14004 0324 26 WI

R100RW 14030 0220 26 GA

RA0X/ 14032 0417 26 OR

UV3DA

RF6FP 14027 0236 29 KS

RM5P/ 14009 1425 28 OR

UM8QDX

RV4F/ 14027 0150 26 GA

UT4UY

SO2PBA 14025 0029 6 FL

SU1HV 14006 0006 28 NB

SV0CJ/5 14019 0210 26 GA

TA7M 14031 0128 30 FL

TL7JA * 14027 1144 30 GA

TL8FD 14025 0206 29 GA

TL8FD 14022 2047 29 NH

UC2WX 14003 1348 27 MT

UF6QAW 14049 0335 26 CA

UF7FWW * 14008 1251 4 FL

UO5PK 14035 0219 29 GA

UQ1GXZ 14051 0343 29 KS

UR8G 14008 0143 28 MI

UR8G 14011 2245 2 GA

VK8SD 14007 1131 25 AL

VU2EAI 14015 1139 26 NY

VU2LX 14021 0129 2 FL

VU2NI 14013 0115 30 CA

VU2NI * 14007 1142 24 MI

VU2NTA * 14002 1144 30 WV

VU2OX * 14004 1242 26 MT

VU2TE * 14028 1301 30 GA

VU2TI * 14007 1126 29 NY

VU3JAM * 14003 1228 3 FL

XU8DX 14005 1140 26 OR

YN1CC 14003 0527 30 IL

YN1CC 14002 1225 24 IL

Y08CF 14054 0309 1 KS

Z21FN 14007 1303 3 OH

ZS5ADV * 14024 1249 26 MT

ZS6UE 14025 0600 27 MT

20 Meter SSB

3B8FG * 14197 1123 27 MI

3D2AG 14195 1233 3 MN

4S7RO * 14171 1149 28 IL

5N0ETP 14206 0714 29 WA

7Q7LA 14160 0525 29 WI

7X2DB 14290 2215 3 CT

7X2KT 14184 0322 29 WA

7X2KT 14208 1940 29 NH

8R1/UNSC 14255 0040 26 OR

9K2YA 14272 2133 30 NH

9N1MM 14247 0014 25 MA

9V1NQ 14181 1501 28 MT

BV5OC 21335 2215 28 MT

FK8CP 14230 0754 28 WI

FP5DX 14197 0344 27 MT

FT4WC 14177 1233 24 IL

FT4YD 14190 1049 26 NJ

HK0TCN 14179 0339 22 MI

JY9CI 14219 0258 3 MN

KC4USV 14213 0750 28 WI

RG8GWS 14231 0136 4 CT

ST0DX 14253 2028 29 NH

ST0DX * 14197 1227 1 MN

TU2PA 14218 0716 29 WA

TZ6VV 14200 0335 25 CO

UA0GAE 14258 1335 29 OR

UH8EA 14181 0120 28 DE

VS6WV 14202 1450 21 BC

VU2AU * 14198 1142 28 IL

VU2CVP * 14165 1236 3 MN

VU2DZ 14175 1200 26 MA

VU2GJR * 14185 1205 28 IL

XU8DX 14180 1152 26 OR

YJ8AB 14228 1009 21 VA

YJ8CW 14210 1106 26 NJ

YS9YS 14169 0050 27 DE

17 Meter CW

9L1US 18069 2348 27 AL

CT2FX 18070 0308 29 SC

EA6ZY 18090 2010 26 SC

ES1QD 18085 2226 19 SC

FH5EJ 18078 2242 29 PA

HC5AI 18072 1313 30 PA

HIBA 18072 0125 29 NY

JY9SR 18075 2003 4 CT

LY3BA 18070 0128 29 NY

OA4AMM 18077 2155 26 NY

P29BF 18074 1215 1 AL

RF6FP 18073 0318 29 SC

SP7HT 18074 0311 29 AZ

SV0DV/9 18070 0328 28 SC

U05OLW 18083 2022 4 CT

VP2EST 18075 1515 4 PA

Z21HQ 18069 1831 23 VA

ZD8WD 18075 2005 26 SC

ZP6XDW 18071 2207 26 NY

UA9UOE 18080 0246 29 CT

UH8EA 18075 1435 26 VA

UO5OLW 18083 2022 4 CT

VP2EST 18075 1515 4 PA

Z21HQ 18069 1831 23 VA

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Current and Future DXpeditions

(Changes and hot info in **boldface**.)

DXCC Country	Prefix	Callsign	Dates	Issue
Afghanistan	YA	YA0AS	July 12-29	1592
Andorra	C3	C30EJA	July-Aug.	1594
Aruba	P4	P40Z	July 10-23	1592
Bahama Islands	C6	C6AFQ	July 1-16	1592
Bangladesh	S2/	WZ6C	Now Active	1593
Brunei	V8	V85OM/XYL	Aug. 5-12	1596
Canary Islands	CT3/	OH2BH	July 17-25	
Cayman Islands	ZF	ZF2JI	July 13-14	1592
		ZF2QM	July 13-20	1595
Central African Rep.	TL8FD		Now-August	1590
Corsica	TK/	F6JMY	July 15-Sept.	1594
East Malaysia	9M	9M6OO/BQ	Aug. 12-20	1596
El Salvador	YS/	K8LA	June 29-July 14	1593
Fiji	3D	3D2??	July 18-28	1594
Hong Kong	VS6/	N2OO, KF2BQ	Aug. 24-30	1596
Iceland	TF/	LA4LN, LA1SP	July 18-Aug. 1	1595
Jersey	GJ/	ON5FP	July 15-Aug. 1	1594
Leichtenstein	HB0/	I6SRP	July 11-14	1596
Madeira	CT3/	PA3ERL	to July 15	1595
Maldives	8Q	8Q7??	July 9-19	1595
Mongolia	JT	JU1DX	July 13-14	1595
Nevis	V4	V47DX	July 16-23	1594
Oblasts	RC5O/RB5CCO		July 15-30	1595
	UM,UI/	ES1RA	July	1595
Rotuma	3D	3D2AG	July 1-21	1592
St. Brandon	3B7	3B7CF	Now-July	1596
St. Pierre & Miquelon	FP/NT1M	WO1G	Aug. 1-7	1596
Snake Island		4K5ZI	July 6-26	1593
Togo	5V/F2JD		July 15-Dec.	1596
Vatican	HV	HV0IH	July 14	1594

Operating Events and DX Gatherings

Dates	Event	Reference:
July 13-14	IARU HF Championship	QST
July 27-28	DXPO 91—Atlanta GA	1595
July 26-28	Northwestern DX Conv.	1592
Sept. 7	W9DXCC Convention	1593

Resident Amateurs on Regularly

DXCC Country	Callsign	Freq.	UTC
■ Anguilla	VP2EST	10105	1030Z
■ Antarctica	4K1B	14005	0500Z
■ Antarctica	4K1A	14004	1200Z
■ Burkino Faso	XT2BW	21036	1645-19Z
■ Central African Rep.	TL8FC	14025	02-0400Z
■ Crozet Island	FT4WC	14185±	1230Z Mon
■ Crozet Island	FT4WC	14020	1130-13Z
■ Egypt	SU1HV	14010±	0000Z
■ Georgia	RF6FP	14030±	0230Z
■ Guantanamo Bay	KG4DD	14027	0230Z
■ India	VU2NTA	14002	1145Z
■ Jordan	JY9SR	18073	20-0300Z
■ Malawi	7Q7LA	14006	1200Z
■ Malaysia	9M2AX	14026	1130-1430Z
■ Mauritius Island	3B8FG	14020	1130-13Z
■ Nicaragua	YN1CC	14003	1230Z
■ Papua-New Guinea	P29NJ	18150	1345Z
■ Reunion Island	FR5DD	14010±	1230Z
■ Rodriguez Island	3B9FR	14030	1115-13Z
■ Rwanda	9X5HG	21025±	2230Z
■ Singapore	9V1JC	14014	1100Z
■ Singapore	9V1JY	20M CW	11-1400Z
■ South Africa	ZS5ADV	14020±	1300Z
■ Sri Lanka	4S7EA	14010	1230Z
■ Sri Lanka	4S7RO	14190±	1150Z
■ Sri Lanka	4S7WP	14026±	12, 2230Z
■ Sri Lanka	4S7RO	14010±	1130Z
■ Swaziland	3DA0BK	14018	1300Z
■ Taiwan	BV2TA	14025	1030-14Z
■ Thailand	HS0AC	14023±	1045Z
■ Ukraine	UR8G	21015±	21-0300Z

Contributors

This Issue of The DX Bulletin would not have been possible without the invaluable assistance of the following: KH6BZF, SESC, 3B8CF, DXNS, K1CC, K1VWL, K4BAI, K4GLU, K4II, K4IQJ, K4LNA, K6FD, K7ABV, K7EFB, K7UOT, K8OQL, K0CVD, K7DSO, K0EUV, K0KLK, KM9J, KQ3S, KT7H, LNDX, N2EJQ, N2OO, N4MM, N9LAG, NM8R, NT2X, NW3Y, VE1RJ, VE7COP, W0JRN, W1AM, W1AW, W2WW, W4BRE, W4VQ, W6UQF, W7AYY, W9HAO, WA9AQE, WB8SFF, WB8YJF, WD9GGY, WO1G, and WO6R. Many thanks! -ed.